

Rabbit anti-Mouse Vinculin Polyclonal Antibody | anti-VCL antibody

Anti-Vinculin antibody

CATALOG # AAA45168	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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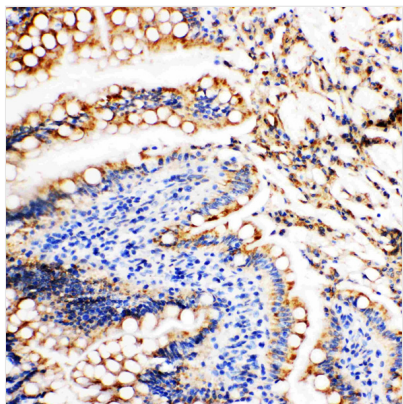
PRODUCT SYNONYMS

Vinculin; Polyclonal Antibody; Anti-Vinculin antibody; vinculin; CMD1W antibody; CMH15 antibody; Metavinculin antibody; MVCL antibody; OTTHUMP00000019861 antibody; OTTHUMP00000019862 antibody; VCL antibody; VINC antibody; VINC_HUMAN antibody; Vinculin antibody; anti-VCL antibody

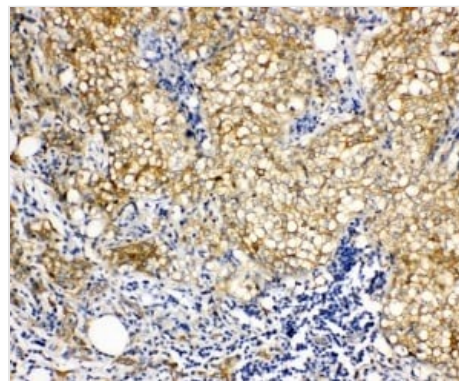
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1134
Applicable Applications for anti-VCL antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Vinculin (173-188aa KMIDERQQELTHQEHR), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a long time. Avoid repeated freezing and thawing.

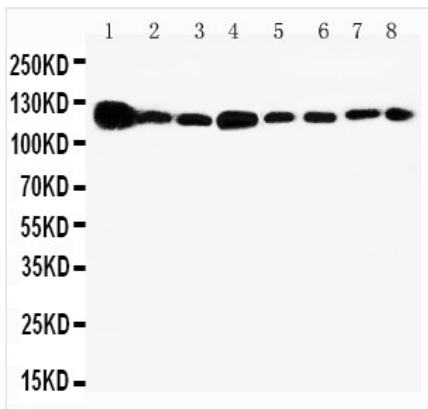
IMAGES



IHC (Immunohistochemistry)
Anti-Vinculin antibody, AAA45168, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti-Vinculin antibody, AAA45168, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
 Anti-Vinculin antibody, AAA45168, Western blotting
 Lane 1: Rat Heart Tissue Lysate
 Lane 2: Rat Brain Tissue Lysate
 Lane 3: Rat Liver Tissue Lysate
 Lane 4: U87 Cell Lysate
 Lane 5: SMMC Cell Lysate
 Lane 6: HEPA Cell Lysate
 Lane 7: HELA Cell Lysate
 Lane 8: HT1080 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-VCL antibody	Description: Rabbit IgG polyclonal antibody for Vinculin(VCL) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: In mammalian cells, vinculin is a membrane-cytoskeletal protein in focal adhesion plaques that is involved in linkage of integrin adhesion molecules to the actin cytoskeleton. By linkage studies in a 3-generation family, Mulligan et al.(1992) mapped the VCL gene to chromosome 10q22.1-q23, distal to D10S22. Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Multiple alternatively-spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. Human vinculin protein exhibits a greater-than-95% sequence identity to the chicken vinculin protein. Vinculin is a 117-kDa cytoskeletal protein with 1066 amino acids. The protein contains an acidic N-terminal domain and a basic C-terminal domain separated by a proline-rich middle segment. Vinculin consists of a globular head domain that contains binding sites for talin and alpha-actinin as well as a tyrosine phosphorylation site, while the tail region contains binding sites for F-actin, paxillin, and lipids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21903479
NCBI GeneID	7414
UniProt Accession #	P18206; Q16450; Q5SWX2; Q7Z3B8; Q8IXU7
Molecular Weight	24,904 Da
NCBI Official Full Name	Vinculin
NCBI Official Synonym Full Names	vinculin
NCBI Official Symbol	VCL
NCBI Official Synonym Symbols	MV; MVCL; CMD1W; CMH15; HEL114
NCBI Protein Information	vinculin; metavinculin; epididymis luminal protein 114
UniProt Protein Name	Vinculin
UniProt Gene Name	VCL
UniProt Synonym Gene Names	MV
UniProt Entry Name	VINC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vinculin-antibody-immunohistochemistry-western-blot-elisa/45168>